



United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street Building 201

Richmond, CA 94804

Subject: Analytical Testing Results - Project R04S85

SDG: 04258B

From: Brenda Bettencourt, Director

EPA Region 9 Laboratory

PMD-2

To: Chris Lichens

Site Cleanup Section 4

SFD-7-4

Attached are the results from the analysis of samples from the **Omega Chemical OU2 September 2004 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Vance Fong at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

1,4-Dioxane



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Region 9 Laboratory

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Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Chris Lichens

Project Number: R04S85

Project: Omega Chemical OU2 September 2004
Sampling

Site Cleanup Section 4

**75 Hawthorne Street
San Francisco CA, 94105**

SDG: 04258B

Reported: 10/14/04 16:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
OC2-MW4A-W-0-58	0409032-01	Water	09/13/04 10:45	09/14/04 09:40
OC2-MW4B-W-0-59	0409032-02	Water	09/13/04 12:45	09/14/04 09:40
OC2-MW4B-W-1-60	0409032-03	Water	09/13/04 12:45	09/14/04 09:40
OC2-MW4C-W-0-61	0409032-04	Water	09/13/04 14:30	09/14/04 09:40
OC2-MW1B-W-0-62	0409037-01	Water	09/14/04 08:15	09/15/04 10:27
OC2-MW1A-W-0-63	0409037-02	Water	09/14/04 08:50	09/15/04 10:27
OC2-MW2A-W-0-64	0409037-03	Water	09/14/04 09:55	09/15/04 10:27
OC2-MW6A-W-0-65	0409037-04	Water	09/14/04 11:10	09/15/04 10:27
OC2-MW5A-W-0-66	0409037-05	Water	09/14/04 12:30	09/15/04 10:27
OC2-MW9B-W-0-67	0409040-01	Water	09/15/04 08:45	09/16/04 09:52
OC2-MW8B-W-5-69	0409040-02	Water	09/15/04 09:45	09/16/04 09:52
OC2-MW8C-W-0-70	0409040-03	Water	09/15/04 10:40	09/16/04 09:52
OC2-MW8A-W-0-71	0409040-04	Water	09/15/04 11:30	09/16/04 09:52
OC2-MW8D-W-0-72	0409040-05	Water	09/15/04 12:30	09/16/04 09:52



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Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0409032-01 Water - Sampled: 09/13/04 10:45								
Sample ID: OC2-MW4A-W-0-58 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	19		1.0	ug/L	B4I0048	09/15/04	09/21/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	2.86		60 %		50-130%	"	"	"
Lab ID: 0409032-02 Water - Sampled: 09/13/04 12:45								
Sample ID: OC2-MW4B-W-0-59 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	10		0.9	ug/L	B4I0048	09/15/04	09/21/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	3.28		69 %		50-130%	"	"	"
Lab ID: 0409032-03 Water - Sampled: 09/13/04 12:45								
Sample ID: OC2-MW4B-W-1-60 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	12		1.0	ug/L	B4I0048	09/15/04	09/21/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	3.24		68 %		50-130%	"	"	"
Lab ID: 0409032-04 Water - Sampled: 09/13/04 14:30								
Sample ID: OC2-MW4C-W-0-61 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	0.7	C1, J	1.0	ug/L	B4I0048	09/15/04	09/21/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	3.28		69 %		50-130%	"	"	"
Lab ID: 0409037-01 Water - Sampled: 09/14/04 08:15								
Sample ID: OC2-MW1B-W-0-62 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	ND	U	1.0	ug/L	B4I0048	09/15/04	09/21/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	2.40		50 %		50-130%	"	"	"
Lab ID: 0409037-02 Water - Sampled: 09/14/04 08:50								
Sample ID: OC2-MW1A-W-0-63 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	5.8		1.0	ug/L	B4I0048	09/15/04	09/21/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	2.59		53 %		50-130%	"	"	"
Lab ID: 0409037-03 Water - Sampled: 09/14/04 09:55								
Sample ID: OC2-MW2A-W-0-64 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	18		1.0	ug/L	B4I0048	09/15/04	09/21/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	3.08		64 %		50-130%	"	"	"
Lab ID: 0409037-04 Water - Sampled: 09/14/04 11:10								
Sample ID: OC2-MW6A-W-0-65 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	3.9		1.0	ug/L	B4I0048	09/15/04	09/21/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	3.38		71 %		50-130%	"	"	"
Lab ID: 0409037-05 Water - Sampled: 09/14/04 12:30								
Sample ID: OC2-MW5A-W-0-66 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	37		1.0	ug/L	B4I0048	09/15/04	09/21/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	3.97		82 %		50-130%	"	"	"



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Project Manager: Chris Lichens	Site Cleanup Section 4	SDG: 04258B
Project Number: R04S85	75 Hawthorne Street	Reported: 10/14/04 16:52
Project: Omega Chemical OU2 September 2004 Sampling	San Francisco CA, 94105	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0409040-01 Water - Sampled: 09/15/04 08:45								
Sample ID: OC2-MW9B-W-0-67 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	ND	U	1.0	ug/L	B4I0053	09/16/04	09/22/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	3.65		76 %		50-130%	"	"	"
Lab ID: 0409040-02 Water - Sampled: 09/15/04 09:45								
Sample ID: OC2-MW8B-W-5-69 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	ND	U	1.0	ug/L	B4I0053	09/16/04	09/22/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	3.50		72 %		50-130%	"	"	"
Lab ID: 0409040-03 Water - Sampled: 09/15/04 10:40								
Sample ID: OC2-MW8C-W-0-70 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	ND	U	1.0	ug/L	B4I0053	09/16/04	09/22/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	4.42		92 %		50-130%	"	"	"
Lab ID: 0409040-04 Water - Sampled: 09/15/04 11:30								
Sample ID: OC2-MW8A-W-0-71 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	3.9		1.0	ug/L	B4I0053	09/16/04	09/22/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	4.08		84 %		50-130%	"	"	"
Lab ID: 0409040-05 Water - Sampled: 09/15/04 12:30								
Sample ID: OC2-MW8D-W-0-72 Semivolatle Organic Compounds by EPA Method 8270C								
1,4-Dioxane	ND	U	1.0	ug/L	B4I0053	09/16/04	09/22/04	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	3.84		78 %		50-130%	"	"	"



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R9

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Prepared: 09/15/04 Analyzed: 09/20/04										
Semivolatiles Organic Compounds by EPA Method 8270C - Quality Control										
Batch B4I0048 - 3520B CLLE - 1,4-Dioxane										
Blank (B4I0048-BLK1)										
1,4-Dioxane	ND	U	1.0	ug/L						
Surrogate: 1,4-Dioxane-d8	3.30			"	4.87		68	50-130		
LCS (B4I0048-BS1)										
1,4-Dioxane	5.8	Q7, Q1, J	1.0	ug/L	9.64		60	50-130		
Surrogate: 1,4-Dioxane-d8	1.00			"	4.82		21	50-130		
Prepared: 09/16/04 Analyzed: 09/21/04										
Semivolatiles Organic Compounds by EPA Method 8270C - Quality Control										
Batch B4I0053 - 3520B CLLE - 1,4-Dioxane										
Blank (B4I0053-BLK1)										
1,4-Dioxane	ND	U	1.0	ug/L						
Surrogate: 1,4-Dioxane-d8	3.77			"	4.79		79	50-130		
LCS (B4I0053-BS1)										
1,4-Dioxane	9.1		1.0	ug/L	9.71		94	50-130		
Surrogate: 1,4-Dioxane-d8	3.43			"	4.85		71	50-130		
Matrix Spike (B4I0053-MS1) Source: 0409040-02										
1,4-Dioxane	18		1.9	ug/L	19.0	ND	95	50-130		
Surrogate: 1,4-Dioxane-d8	8.35			"	9.49		88	50-130		
Matrix Spike Dup (B4I0053-MSD1) Source: 0409040-02										
1,4-Dioxane	17		1.9	ug/L	19.2	ND	89	50-130	6	30
Surrogate: 1,4-Dioxane-d8	7.52			"	9.58		78	50-130		



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Qualifiers and Comments

Q7	Surrogate spike recoveries for this sample were outside control limits.
Q1	The internal standard associated with this analyte did not meet area count criteria.
J	The reported result for this analyte should be considered an estimated value.
C1	The reported concentration for this analyte is below the quantitation limit.
U	Not Detected
NR	Not Reported